

Appendix F

Public Water Supply

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Kansas Department of Health & Environment

Public Water Supply

Cyanotoxin Monitoring Plan

May 17, 2017



2017 Sample Coordination PWS < 10,000

- KDHE Collects PWS – BA Raw Water Samples
- KHEL Analyzes All PWS – BA Raw Water Samples
- PWS Collects Finished Water & Non-BA Raw Water Samples
- KHEL Analyzes Finished Water & Non-BA Raw Water Samples
- PWS Coordinates With KDHE District for Sample Transport
 - ◆ KDHE PWS Section Coordinates All PWS Monitoring Activities
- PWS Results Not Discussed on Recreation Calls

2017 Sample Coordination PWS ≥ 10,000

- KDHE Collects PWS – BA Sites Raw Water Samples
- KHEL Analyzes All PWS – BA Sites Raw Water Samples
- PWS Collects Finished Water & Non-BA Raw Water Samples

- PWS Analyzes Finished Water & Non-BA Raw Water Samples
- KDHE Requests Results from PWS
- KDHE PWS Section Coordinates All PWS Monitoring Activities
- PWS Results Not Discussed on Recreation Calls

Questions regarding KDHE monitoring for public water supplies should be directed to:

Cathy Tucker-Vogel

or

Andrew Hare

Cathy.tucker-vogel@ks.gov

(785) 368-7130

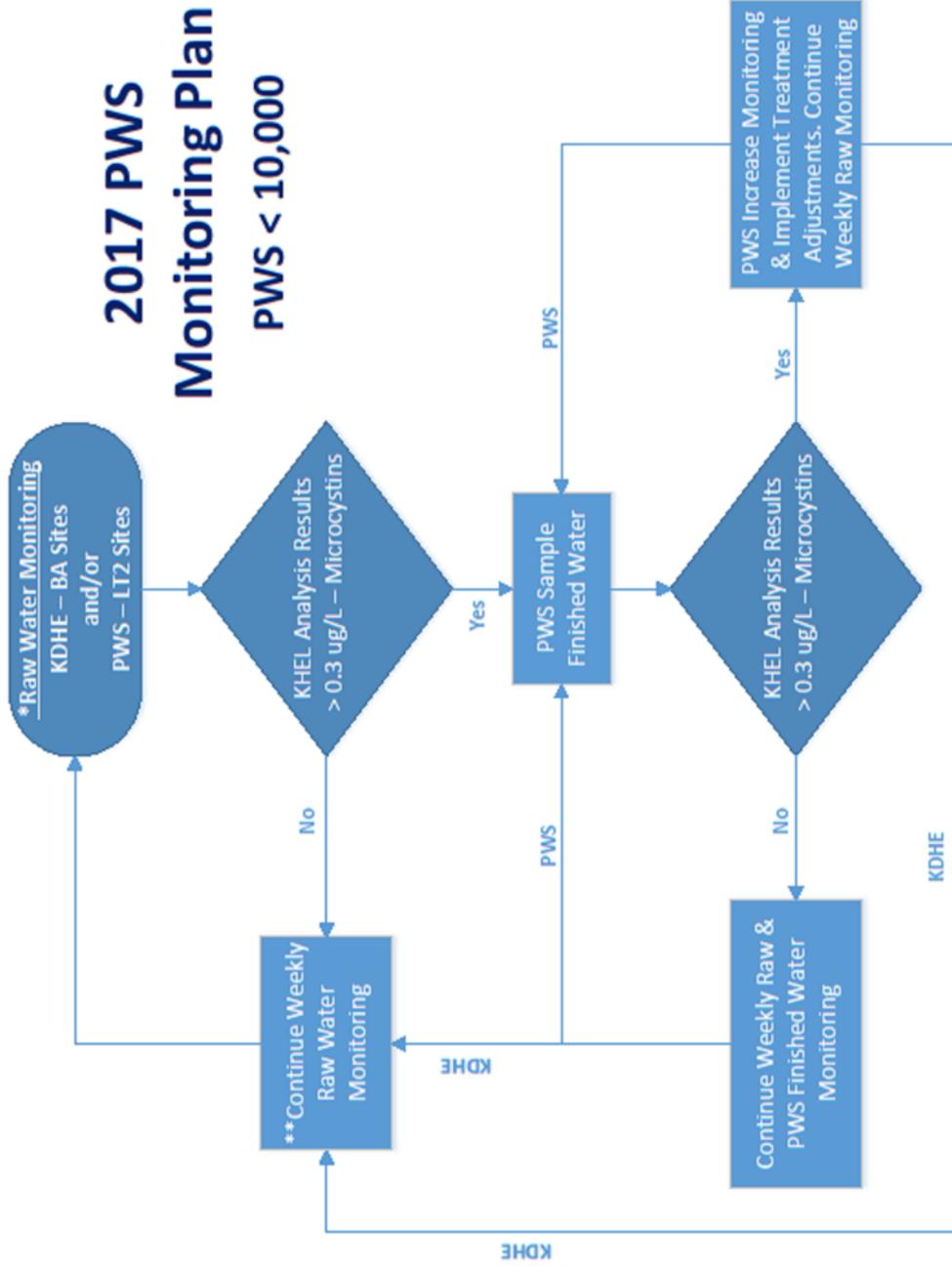
andrew.hare@ks.gov

(785) 296-5946

For additional information related to cyanotoxins management for public water supply systems please refer to the following Environmental Protection agency Website:

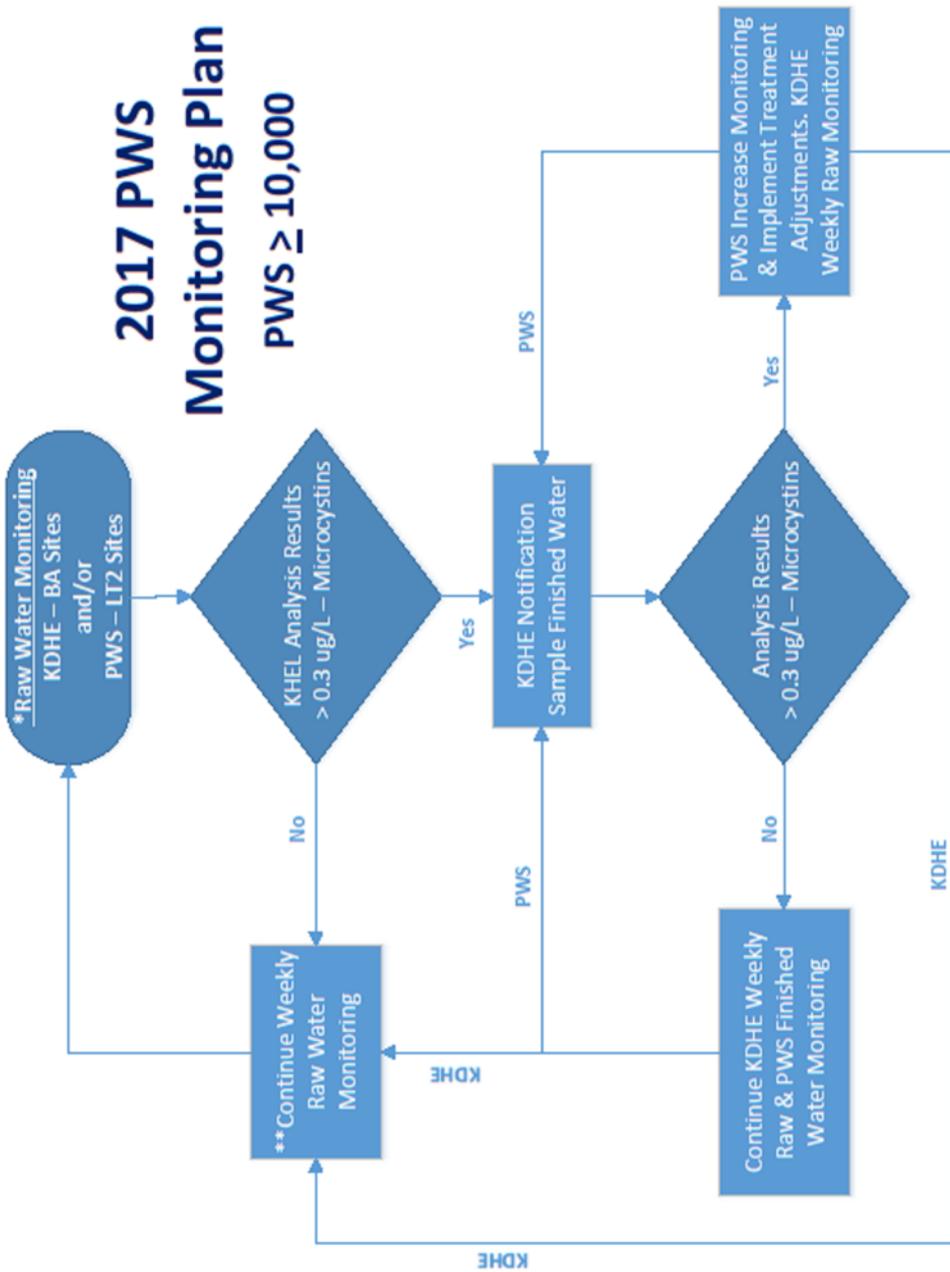
<https://www.epa.gov/ground-water-and-drinking-water/cyanotoxins-drinking-water>

2017 PWS Monitoring Plan PWS < 10,000



*Raw Water Monitoring Triggered by Reported Bloom
 **If Microcystins <4 ug/L and Cell Count < 80,000, BA Sites not Sampled
 If Microcystins ≥0.3 ug/L and <4.0 ug/L, PWS Sample LT2 Sites

2017 PWS Monitoring Plan PWS $\geq 10,000$



*Raw Water Monitoring Triggered by Reported Bloom
 **If Microcystins <4 ug/L and Cell Count < 80,000, BA Sites not Sampled
 If Microcystins ≥ 0.3 ug/L and <4.0 ug/L, PWS Sample LT2 Sites

Kansas
 Department of Health
 and Environment
KAUAS GOVERNMENT SERVICES

**Environmental Chain of
 Custody Form**

Client Profile:	Location Name:	Additional Report Recipients	
Location Code:	Collector:	To	To
	Event Desc:	Address	Address
		Notes:	
		Known Hazards	
		Flammable	Poison
		Radiological	Other

#	Sample ID, Description	Matrix	Collection		Sample Comments	Analyses	Total number of containers	Field Test Results		
			Actual Collection					Flammable	Poison	Other
			Date	Time						
1										
2										
3										
4										
5										
6										
7										
8										

Transfers	Released By	Date/Time	Received By	Date/Time	Received on Ice	Sample Condition	Temperature:	
1					Y	N	Y	N
2					Y	N	Y	N
3					Y	N	Y	N

Front of Form

Environmental Chain of Custody Form KEY

- **Client:** Please pick one of the following: - BER Remedial Section, BER Storage Tanks Section, BER Assessment & Restoration Section, BER Surface Mining Section, BOW-Geology, BOW-Industrial Programs, BOW-Livestock Management, BOW-Technical Services, BOW-Watershed Management Section, BOW-Watershed Planning, NW District Office, NE District Office, NC District Office, SW District Office, SE District Office, SC District Office, BWM-Hazardous Waste Programs, BWM-Solid Waste Programs
- **Profile:** Please pick one of the following, which corresponds to client chosen above - State Cooperative Program, USDA Program, Voluntary Cleanup Program, EUC Program, Site Assessment Program, State Water Plan Program, Brownfields Program, Special Projects, Public Water Supply Unit, Monitoring Unit, LUST Unit, Remedial Unit, Federal Facilities, Spill Response Program, Dry Cleaning Program, Superfund Program, General ARS, NRD Program, Abandoned Mine Land Program, Active Mining Program, General Programs, Underground Brine Injection, Pre-treatment Programs, Livestock Special Projects, Waste Effluent, Waste Influent, Waste Chlorinated PWS, Distribution Systems, Point of Entry, Test Source, Supply Source, Private, Sanitary Program, Effluent Monitoring, Non-point pollution Monitoring, Pollution Investigations, Stream Chemistry, Stream Probabilistic, Lakes Monitoring WAAPS, TMDL, Biology Monitoring
- **Location Code:** Please include project code (e.g. CS-123-4234) as desired on final Report of Analysis. There is a 20-character limit.
- **Location Name:** Please include location name desired on final Report of Analysis.
- **Collector:** Please include collector name desired on final Report of Analysis.
- Event Desc:** Leave blank.
- Additional Report Recipients:** Please include names and email addresses of additional report recipients desired.
- **Sample ID:** Please include unique sample identifier for each sample.
- **Matrix:** Please pick one of the following for each sample - DW-Drinking Water; W-Water; W/W-Waste Water; SO-Soil; SA-Solid; or SD-Sediment
- **Actual Collection Date/Time:** Please include actual collection date and time (military format) for each sample.
- **Analyzes:** Please pick from the following analysis available in the KHEL Environmental Test Catalog - AF-Alp/Bet, AF-Gamma, PWS Met, S-8080Pest, S-8260 VOC, S-Bromide, S-Gamma, S-ICP Met, S-Mercury, S-Nitrate, S-RCRA Met, S-RCRA/Reg, S-TCLP Met, S-TKN, W-6080Pest, W-8260 VOC, W-Alp/Bet, W-BOD, W-Bromide, W-COD, W-Conduct, W-DO, W-Gamma, W-Hardness, W-ICP Met, W-Mercury, W-Minerals, W-Nitrate, W-Nutrient, W-RCRA Met, W-RCRA/Reg, W-Fe2+6, W-Ra226, W-Strenth, W-TCLP Met, W-TDS, W-TKN, W-TOC, W-TSS, W-Tritium, W-Turbid, W-Uranium

** REQUIRED data for sample submission; all other fields are optional.

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